AMENDMENTS TO THE SPECIFICATION

Please replace the Sequence Listing filed December 10, 2004, with the Substitute Sequence Listing filed herewith.

Please replace the paragraph bridging page 19, line 22 to page 20, line 3 with the following amended paragraph.

(3) Degenerated PCR

Using 3 μl out of the synthesized first strand cDNA (33 μl) as a template, PCR was carried out. Primers were designed and produced by comparing the amino acid sequences of known fluorescent proteins, extracting similar portions, and converting them into nucleotide sequences. The sequences of the used primers are shown below:

~~5'-GGIGSICCIHTISCITT-3'~~ 5'-GGNGSNCCNHTNSCNTT-3' (primer 1) (SEQ ID NO: 3);

and

5'-AACTGGAAGAATTCGCGGCCGCAGAATTTTTTTTTTTTTTTTT-3' (primer 2) (SEQ ID NO: 4),

wherein [[I]] N represents inosine, S represents C or G, and H represents A, T, or C.

Please replace the paragraph bridging page 21, line 20 to page 22, line 3 with the following amended paragraph.

For the first amplification of DC-tailed cDNA of the green individual, the following primers were used:

~~5'-GGCCACGCGTCGACTAGTACGGGIIGGGIIGGGIIG-3'~~

5′-GGCCACGCGTCGACTAGTACGGGNNGGGNNGGGNNG-3′ (primer 3) (SEQ ID NO: 5); and

5′-AGACGAGGCAATTTCCATCAAG-3′ (primer 4) (SEQ ID NO: 6),

wherein [[I]] N represents inosine.

For the second amplification, the following primers were used:

5′-GGCCACGCGTCGACTAGTAC-3′ (primer 5) (SEQ ID NO: 7); and

5′-GGCTACGCTTCCATATTGGCAGTT-3′ (primer 6) (SEQ ID NO: 8).

PCR reaction conditions and the like were determined in accordance with the protocols attached with the kit.